

### Abstract of the Disclosure

Integrated circuit standby power consumption may be reduced using a reverse-bias transistor control arrangement that reduces transistor leakage current.

- 5 Integrated circuit transistors may be turned off using a reverse bias voltage rather than a ground voltage. A charge pump circuit on the integrated circuit may be used to generate the reverse bias voltage. The reverse bias voltage may also be provided from an external
- 10 source. The integrated circuit may be a programmable logic device in which logic is configured by providing programming data to configuration cells. The configuration cells may be used to apply either a positive power supply voltage to a given transistor to
- 15 turn that transistor on or to provide the reverse bias voltage to that transistor to turn that transistor off.